MAR 88

NORTHERN SAN DIEGO COUNTY

W6NWG

Scope

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MARCH, 1988

1936-1988

THE PALOMAR AMATEUR RADIO CLUB, INC
POST OFFICE BOX 1603
VISTA, CALIFORNIA 92083-0530

REPEATERS FOR USE BY PARC MEMBERS:
KA6UAI: 147.735(-), SARG
WD6HFR: 224.900(-), 220 CLUB OF S.D.
W6NWG:145.050(PKT), 146.730(-), 449.425(-)

EDITOR: K6HAV

PRESIDENT: STAN ROHRER,	W9FQN,	VALLEY CENTER,	749-0276 !	CONTROL OPS:
VICE PRES: TED DEMOS,	N6CKH,	SAN DIEGO,	296-5103 !	WB6IQS, K6HAV
SECRETARY: JO ASHLEY,	KB6NMK,	ESCONDIDO,	741-2560 !	W9FQN,KB5MU,WA6KZN
TREA$URER: RON WILHELMY,	WI6B,	RANCHO $ANTA FE,	756-3133 !	KA6UAI,WI6B, KB6AI

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THESE OFFICERS ARE YOUR 1988 REPRESENTATIVES. CALL THEM IF YOU HAVE QUESTIONS, COMMENTS, OR SUGGESTIONS ABOUT OUR CLUB. THEY NEED YOUR INPUT AND SUPPORT TO BE EFFECTIVE. THE NEXT EXECUTIVE COMMITTEE MEETING IS AT 7:30 PM: KB6NMK, MARCH 10TH, ESCONDIDO, 741-2560.

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>>>>>>>--- President's Message ---<<<<<<<

###---REPEATER SITE NEWS---###

WB6IQS-John Kuivinen, our repeater technical chairman, has installed a borrowed filter from WA6QQQ-Bob Gonsett in the transmitter output of our 146.730 repeater apparently curing completely the 74DB desense of KA6UAI-Eric's 147.735 repeater located two feet from the 146.730 repeater. The antennas are separated by about two feet vertically. Testing indicates both machines can operate from the same location even though the 147.735 input (147.135) is only 395KHz away from our 146.730 transmitter. PARC has bought a filter to replace the borrowed filter from WA6QQQ. The KA6UAI/R machine can now be used by HT's from almost any location where the 146.730 machine can be used. Preliminary tests seem to indicate the 146.730 still has a greater radiated signal into most areas and better receive sensitivity due to the 146.730 machine having better equipment and a higher antenna. A working agreement between PARC and KA6UAI-Eric has still not been completed. Your comments and suggestions are welcome.

There can be only so many two meter machines operating from one building and tower and we now know that this number is at least three: 145.050, 146.730, and 147.735.

We are still looking into a metal cargo container for a repeater site building vs building a cement block building for our exact needs and shielding the inside of it with foil and/or conductive paint.

The following is our present antenna configuration for our repeaters. The 220 club is on a separate pole near the bunker.

```
        ## PRESENT ANTENNAS (!) ##
70'  450->    ! X !   <-----146.730  Ant.
60' Cont->    ! X !   <-upper Packet Ant.
50'  trol       !    <------147.735  Ant.
40'            !X     <-lower Packet Ant.
30'            /X\      Antennas on  PARC
20'           / X \       (70' tower
10'          /  X  \        guyed at 30')
0'          /###X###\  <-18 TONS of CEMENT
Steel guys at 30 foot on tower.
        ## FUTURE ANTENNAS? (!) ##
Crossarms(=), holder(-) and antennas(!).
80'       !          The crossarms will
70'   ----X----      allow us more space
60'   ! ! ! ! !      for old, new, reserve,
50'   =========      & experimental antenn-
40'   ! ! ! ! !      as.  This Spring we
30'   =========      will need tower climb-
20'      /X\         ers so let us know if
10'     / X \        you can help install
0'     /###X###\     any antennas for us.
Tower engineered for 200%+ strength.
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73 de Stan, W 9 F Q N

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CLUB MEETINGS are held on the first Wednesday of the month at 7:30 p.m. in the CAFETERIA at Lincoln Middle School between East Vista Way and Eucalyptus on Escondido in Vista. Parking is available in the main lot accessible from East Vista Way; and in the City Hall parking lot across Escondido from the School. Talk in on 146.730. Visitors are welcome. MEETINGS ARE NOT A FUNCTION OF THE VISTA UNIFIED SCHOOL DISTRICT AND ARE NOT SANCTIONED BY THE BOARD OF TRUSTEES OF THE SCHOOL DISTRICT. Tol' ya a hunnert times.

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MARCH CLUB MEETING

The program for the March meeting will be presented by Larry Cox, WA6AIL, on amateur radio operation for the visually handicapped. Show and Tell will feature 10M SSB conversions from CB rigs, and a cheap headset/boom mike combo for HTs or mobile operation.

The coffee pot and coffee will be present, but someone is going to have to step forward and make the coffee or there won't be any..... Call Stan, W9FQN, if you can help.

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MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is $12 per year with no initiation fee, and includes a subscription to SCOPE. Family memberships are $12 for the first family member, and $9.00 for each subsequent member at the same address. Annual SCOPE subscriptions are $3.00. Membership matters, changes of address, subscription matters: P.O. Box 1603, Vista, CA 92083-0530. Ads and other material for Scope to PO Box 73, Vista 92083 by Wednesday, two weeks before the club meeting.

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FEBRUARY CLUB MEETING

At the February club meeting the minutes of the previous meeting were read and approved as was the Trea$urer's report. Bill, N6OPP, announced that this was his last club meeting as "Keeper of the Coffee Pot" as he would soon be leaving for Utah. Brian, KF6C, demonstrated a low noise active antenna system usable over a broad frequency range from LF to VHF. Stan, W9FQN, told us about NiCads and their care and feeding. Herb Johnson, W6QKI, told us about his new radio and demonstrated a prototype of it.

Notable at this club meeting was the large number (16) of newcomers, both to the Club and to ham radio. There were also 63 members in attendance.

EXECUTIVE COMMITTEE MEETING

The Executive Committee, consisting of the officers of the Club and the Chairmen of its committees, meets at 7:30 p.m. on the second Thursday after the club meeting at the home of various of its members. The March meeting will be at the home of KB6NMK.

At the February meeting at the home of W9FQN, the Committee heard and approved the minutes of the previous meeting and the Treasurer's report. The Committee voted to continue the KB6UAI/R 146.775 mHz test for another 90 days with agreements to be put in final form. No new antennae to be added to tower until crossarms are in place therefore. Due to the increased custodial fee at Lincoln Middle School, future Amateur Radio Licensing Courses will not be held there.

A grand time was had by all, with reduced strength Committee doing yeoman service in disposing of pie and ice cream meant for many more. Nasty job, but someone hadda do it!

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THREE REPEATERS, two W6NWG/R, are owned and operated by the Club. One has input of 146.130 mHz and an output of 146.730 mHz. Input for another is 444.425 mHz and output is 449.425 mHz. The third, W6NWG, is a packet radio digipeater on 145.050 mHz. All are on the Club's property on Mount Palomar at about 5,600'; and are open repeaters for club members and occasional and transient users.

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NEW MEMBERS, REENLISTMENTS, UP-GRADES, NEW CALL SIGNS

GNU CLUB MEMBERS: Richard Carey, W6GHD; N.W. Smith, N6HWK, San Diego; Larry Davis, W6QCA, San Diego; Russ Lowell,WB6IOV, Carlsbad. Welcome, we're glad you're with us.

RENUDE MEMBERS: Don Smithana, W9FFG; Gerry Earl, N6LYX, who has just upgraded to Advanced. Congrats, Gerry.

GNU CALL SIGNS: Pat Stedman, N6RHS, vice KB6OXZ.

REPEATERS

John, WB6IQS, and KA6UAI went to the mountain on 1/24 to test the desense problem on KA6UAI/R, the 147.735 repeater. 9dB of desense was measured on that machine when the 146.73 W6NWG/R was transmitting. Peaking and tweeking KA6UAI/R gained about 6 dB in sensitivity for 20 dB of quieting (now about .25 uV.); and the transmitter was retuned to Motorola specs. A pass cavity, loaned by Bob, WA6QQQ, solved the desense problem when put in the transmit line from the .73 machine. The loaned cavity is in line and will be replaced soon by a like cavity currently on order.

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THE CLUB'S POLICY REGARDING INTERFERENCE ON THE REPEATERS IS to IGNORE IT! on't give the jammer what he or she craves - notice and attention. Carry on your QSO or sign off or move to simplex, but do NOT acknowledge the crazies. At the same time, try to hear the interfering signal on the input of the repeater and, if possible, determine the direction of the source.

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FORESAIL

(Yawl ketch on?)

PERSONAL ADS FOR MEMBERS ARE FREE

Swan 600 TX & RX, phone patch, WM-1500 wattmeter, Dentron Super Tuner, MFJ 8043IC keyer, misc. mikes, keys, earphone, tubes. $400 takes all. Heath HW-99 cw xcvr, Heath SP-99 spr HM-9 wattmeter HFT-9 ant. tuner, all assembled and tested, $300. Call Jack, WD0DLW, after 5:00 p.m. 728-2444.

MFJ EQ 300 adjustable mike equalizer. New, never raced, $40 OBO. YAESU FRT-7700 antenna tuner for Yaesu FRG-7700, $50 OBO. Cost $100. Call Joe, WA6VNR, 278-2752 any time or leave msg.

Collins 312B-4 W/E Station Control; Collins W/E S-Line w/ 516F-2 pwr supply. All mint. Astatic "Silver Eagle" mike. Drake WH-7 power meter, mint. Call Allen, N7AMR, 434-5656.

Tubes: Two GE 6GB5/EL500s, four 1625s, two 807s. 15M 2-elm beam. Call Earl, K6CLU, 724-2827.

Ten Tec Argonaut 509 w/matching 405 amp. Both factory tuned and calibrated, $300. Leave message for David, N6QCQ, at 582-6464.

Atlas 350XL w/AC pwr supply, $450. Swan 500CX w/AC & DC pwr supplies, $450. Atlas 210X w/AC supply, mobile mt, digi readout, $450. All Guaranteed. Call Clint, W6OFT, 729-0850.

TEST EQUIP.: BK 501A Semiconductor Curve Tracer, $40; BK 3050 Audio Sine/Square Wave Gen., $65; Sencore FE160 Senior Field Effect Meter, $40; Heathkit Digital Design Experimenter, $20; Call Ralph, K6HAV, 727-5866.

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WANTED

Fiberglass quad arms. Call Bill, K6TQ, 727-1580.

Icom IC-22A in working condx. Commodore 1520 4-color plotter. Call Dennis, N6KI, 271-6079.

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Just because I'm not paranoid doesn't mean they aren't following me!

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VOLUNTEER EXAMINER PROGRAM

At the February tests our PARC examiner team administered seven test elements to five applicants. Three passed a total of five elements.

Our test crew was: KI6ZM reception; WA6HYB & W6YYV CW exams; KB5MU, W6KCB, and NU6L examiners; and K6HAV paperwork. de Lou, AA6DI

FCC LICENSE EXAMINATIONS in north county are conducted by PARC examiners, under the auspices of SANDARC-VEC at the Joslyn Senior Center, (behind the City Hall) 111 Richmar Ave., San Marcos on the second Saturday of the month starting at 10:00 a.m.

Examinations are also given on the 1st, 3rd, and 4th Saturdays in south county and the 4th Saturday at Coast Savings & Loan, 1540 E. Valley Parkway, Escondido. South county test locations available from SANDARC-VEC.

Applicants must send a S.A.S.E., a completed, signed FCC Form 610 (NO PHOTO-COPIES) and copies of license(s) and Certificate(s) of Successful Completion, if any, to SANDARC-VEC, Post Office Box 2456, La Mesa, CA 92044 10 days before the test date. Bring ORIGINAL licenses and Certificates.

JOIN THE ARRL

The American Radio Relay League is the national Amateur Radio entity to which you should belong if you want to support your hobby. If you're not ARRL member you should be! Who else do you have to lobby for your hobby.

When joining/re-joining the ARRL, do it via the Club which will receive a modest stipend otherwise going to the ARRL. Make your check payable to the Club and get it, with your membership application, to Treasurer Ron, WI6B.

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THE 220 CLUB OF SAN DIEGO WELCOMES PARC MEMBERS ON WD6HFR/R, ITS 224.900 MHZ REPEATER, which is co-located with W6NWG/R at the PARC site on Mt. Palomar. This repeater, like the PARC machines has battery back up. Feel free to use it.

CO-LOCATED WITH W6NWG/R AND WD6HFR/R is KA6UAI/R on 147.735 (-) which is also available to PARC members during its trial period in the PARC repeater building. Its use as a W6NWG/R overflow machine is encouraged.

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THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on 146.730 mHz (-600 kHz) at 2000 local to handle formal written traffic. Visitors are welcome. Net Manager is N4KRA. Liaison stations needed.

THE SAN DIEGO COUNTY PACKET RADIO VOICE NET meets on 146.730 mHz each Tuesday at 2100. This net is to provide information on Packet Radio for the beginner and the advanced packeteer. All are welcome. Paul, KB5MU, is net control station.

THE SAN DIEGO COUNTY MICROWAVE NET meets on 146.730mHz each Monday at 2100. This net is to disseminate microwave information and is open to the old timer and the beginning microwaver. All are welcome. Kerry, N6IZW, is net control station.

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THE FCC IN GETTYSBURG SAYS:

Licenses issued as of 2/1/88: AA6GR, KJ6CY, N6RIV, KB6VQG.

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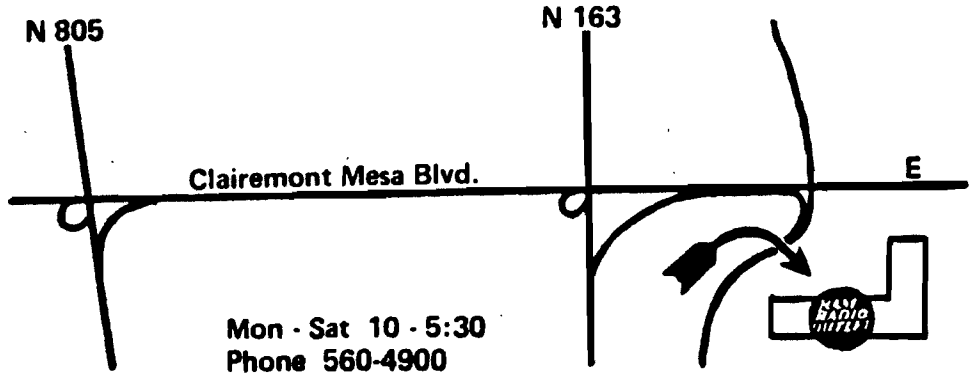
HAM RADIO OUTLET



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DOWN THE TOOBE

Dennis, N6KI, passed along a letter from former member WA1CSO who moved back to New England into a house that's too small. He does hope to have a tower up by spring, but has no room for the amplifier. Joe sends regards to the the PARC gang

The Editor has had a rather lengthy bout with an intestinal bug, perhaps flue (pun intended), so you'll have to excuse the typos as I've lost 5-6 pounds in as many days and my blood pressure is sub-normal rather than high. Maybe not enough blood to the brain ("Wot brain?", 'e sez). Not to fear, we've bitten the bullet and are trying to regain some of the lost poundage although it's a real test of the will - forcing down all of that otherwise-forbidden Dryers!

"That's all", she wrote!

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